

$$E_{30} = k \frac{1}{n} \sum_{i=1}^n C_i Q_i / P_i$$

(Eq. 1)

Where:

E_{30} = 30 operating day average emissions rate of NO_x , lb NO_x /ton of 100 percent HNO_3 ;

C_i = concentration of NO_x for hour i , ppmv;

Q_i = volumetric flow rate of effluent gas for hour i , where C_i and Q_i are on the same basis (either wet or dry), scf/hr;

P_i = total acid produced during production hour i , tons 100 percent HNO_3 ;

k = conversion factor, 1.194×10^{-7} for NO_x ; and

n = number of operating hours in the 30 operating day period, i.e., n is between 30 and 720.

[77 FR 48445, Aug. 14, 2012; 79 FR 25681, May 6, 2014]

§ 60.76a Recordkeeping.

(a) For the NO_x emissions rate, you must keep records for and results of the performance evaluations of the continuous emissions monitoring systems.

(b) You must maintain records of the following information for each 30 operating day period:

(1) Hours of operation.

(2) Production rate of nitric acid, expressed as 100 percent nitric acid.

(3) 30 operating day average NO_x emissions rate values.

(c) You must maintain records of the following time periods:

(1) Times when you were not in compliance with the emissions standards.

(2) Times when the pollutant concentration exceeded full span of the NO_x monitoring equipment.

(3) Times when the volumetric flow rate exceeded the high value of the volumetric flow rate monitoring equipment.

(d) You must maintain records of the reasons for any periods of noncompliance and description of corrective actions taken.

(e) You must maintain records of any modifications to CEMS which could affect the ability of the CEMS to comply

with applicable performance specifications.

(f) For each malfunction, you must maintain records of the following information:

(1) Records of the occurrence and duration of each malfunction of operation (i.e., process equipment) or the air pollution control and monitoring equipment.

(2) Records of actions taken during periods of malfunction to minimize emissions in accordance with § 60.11(d), including corrective actions to restore malfunctioning process and air pollution control and monitoring equipment to its normal or usual manner of operation.

§ 60.77a Reporting.

(a) The performance test data from the initial and subsequent performance tests and from the performance evaluations of the continuous monitors must be submitted to the Administrator at the appropriate address as shown in 40 CFR 60.4.

(b) The following information must be reported to the Administrator for each 30 operating day period where you were not in compliance with the emissions standard:

(1) Time period;

(2) NO_x emission rates (lb/ton of acid produced);

(3) Reasons for noncompliance with the emissions standard; and

(4) Description of corrective actions taken.

(c) You must also report the following whenever they occur:

(1) Times when the pollutant concentration exceeded full span of the NO_x pollutant monitoring equipment.

(2) Times when the volumetric flow rate exceeded the high value of the volumetric flow rate monitoring equipment.